

# MEDICAL RESEARCH DEPARTMENT



## U. S. Submarine Base New London

DESCRIPTION OF AN ABSTRACT OF THE SERVICE RECORD  
FOR ANALYSES OF EXAMINATIONS OF EXPERIENCED  
SUBMARINE PERSONNEL RECEIVED FOR RE-ASSIGNMENT

By

Lt. (jg) N. R. Bartlett, H(S), USNR

Report No. 1

Bureau of Medicine and Surgery

Research Project No. X-596 (Sub. No. 128)

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FOR ANALYSES OF EXAMINATIONS OF EXPERIENCED  
SUBMARINE PERSONNEL RECEIVED FOR RE-ASSIGNMENT

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Lt. (jg) N. R. Bartlett, H(S), USNR

Progress Report No. I

Bureau of Medicine and Surgery

Research Project No. X-596 (Sub, No, 128)

Analysis of Examinations of Personnel Received for  
New Construction Submarines.

Medical Research Department  
U. S. Submarine Base  
New London, Connecticut

23 January 1946.

An examination activity frequently can improve itself through periodic analyses of its own function. However, before any comprehensive analysis can be conducted, it is obviously necessary to systematize records and data. The record described in this paper was developed in order to allow a systematic accounting of examinations of experienced submarine personnel received at New London for reassignment. The record, with instructions for its completion, is described below. It was designed for periodic accountings, by punched cards if desired, for the following needs:

- (1) to list men examined for reassignment by rate, by age, and by experience.
- (2) to analyze reasons for failure in medical examinations.
- (3) to tabulate failures in examinations for specialties, such as sonar, radar, and night vision, and to allow analyses of such failures by rate, age, collateral test scores, etc.
- (4) to maintain psychological quality control data on men examined, and
- (5) to accumulate gradually a master file of enlisted submarine men with pertinent experience data from their service records.

The abstract record is appended. Blank spaces are lettered on the card; the explanations to yeomen for completing the blank spaces are listed below, letter by letter.

The following spaces lettered on the card are completed from the Service Record:

- |                    |  |
|--------------------|--|
| A. Service number: | copy.  |
| B. Name:           | copy last name first, then first name, then middle name.   |
| C. Rate:           | type full rate. For example, if Class A school graduate, indicate Rate Designator; if qualified in submarines, parenthesize (SS); if temporary appointment, indicate, etc. |
| D. Year of birth:  | copy.  |
| E. Date Received:  | date reported aboard, and name and number (if any) of ship or station receiving for reassignment.  |

F. Source:	previous ship or station from which ordered.
G. Code:	type "USN" or "USNR" as appropriate.
H. Disciplinary Action:	list every court-martial, with details.
I. School Grade completed:	last school grade completed.
J. Date of enlistment:	date of first enlistment; if ever on inactive duty since date of first enlistment note number of months on inactive duty.
K. Adv. Training:	name of advanced Submarine School attended, if any, at New London; viz., Diesel, Battery & Gyro, Radio, QM-SM, Ordnance or PhM. If none attended, type "none".
L. Percentile Stg.:	decimal ratio of (class standing) divided by (number in class) in advanced submarine school, if any.
M. Date Graduated S/M School:	abbreviation for month and year transferred from New London Submarine School, if graduated from Basic Submarine School.
N. Months of Sub. Service Aboard:	whole number of months duty actually served aboard submarines. Do not count Tender, Base, or other such duty.
O. Type of submarine:	letter for type of submarine of most recent type on which qualified.
P. Number of War Patrols:	number of war patrols completed.
Q. Length of last tour out of U. S.	number of months outside continental limits on most recent tour of duty.

The following data may be found in the service record. However, if it is not, the Man is scheduled for examination by the Medical Research Department, and the data is then recorded from results submitted by that Department.

R. Super Aptitude Tests

- (R1) GCT: General Classification Test (Box 7 Navpers 609).
- (R2) Arith: Arithmetic Reasoning Test (Box 9).
- (R3) MAT: Mechanical Aptitude Test (Box 10).
- (R4) MKF: Mechanical Knowledge (Mechanical) (Box 14).
- (R5) MKE: Mechanical Knowledge (Electrical) (Box 15).
- (R6) Cler: Clerical (Box 16).
- (R7) PI: Personal Inventory (Special Tests Box of Navpers 609).

- S. Reason Disqualified: assigned by examiner in accordance with submarine examination code.
- T. Qualified Sonar: type date of examination, and whether "Pass" or "Fail" in examination for recommendation for Sonar Training.
- U. Qualified Radar: Same as for Sonar above.
- V. Night Vision: type date of last examination, and whether "Pass" or "Fail".

This particular abstract card evolved from antecedent forms; obviously a great deal of information is not included, but enough is recorded, and translated to punched cards, so that sufficient data have been on hand for such requested reports as the following:

Monthly tabulations of men received by rate and by length of service; monthly alphabetic listing, by rate, of men received, with experience data and age for each man; analyses of reasons for failures in medical examinations; tabulation of mean test scores, by rate and by petty officer grade; analyses of numbers of war patrols completed according to year of graduation from Submarine School; tabulations of disciplinary actions, according to type; and age distributions.

A (SERVICE NUMBER) B NAME C (RATE)  
 D YEAR OF BIRTH E DATE RECEIVED F SOURCE G CODE  
 H DISCIPLINARY ACTION I SCH. GRADE COMPLETED J DATE OF ENLISTMENT

SUBMARINE HISTORY						
Adv. Training	Percentile Standing	Date Graduated S/M School		Months Of Sub Service Aboard	Type Of Submarine	Number Of War Patrols
		Mo.	Yr.			
K	L	M		N	O	P
						Q

REASON DISQUALIFIED S						
Source	Motiv	Intel	Psych	Phys	Sensory	Request By C. O.

BUREAU APTITUDE TESTS				
GCT	ARITH.	MKF	MKE	PI
R1	R2	R4	R5	R7

MAT R3		Cler R6	
Qual. Sonar	Qual. Radar	Qual. Nite	Visior
T	U	V	